

Lance Shaw - Fwd: Russell City energy Center

From: Jim Adams
To: Lance Shaw
Date: 7/5/2007 3:54 PM
Subject: Fwd: Russell City energy Center
Attachments:

James S. Adams, MA
Environmental Office, MS 40
California Energy Commission
1516 9th Street
Sacramento, CA 95814-5504
916-653-0702
jadams@energy.state.ca.us

>>> Jim Adams 7/5/2007 9:44 AM >>>
July 5, 2007

Ms. Marion Blakely, Director
Federal Aviation Administration
800 Independence Ave., SW
Washington, D.C. 20591

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Ms Blakely:

Please find attached three sections (executive summary, traffic and transportation and land use) of the Staff Assessment (SA) of the Petition for Amendment No. 1 for the Russell City Energy Center (RCEC). The traffic and transportation and land use sections contain detailed discussions about aviation safety and the operation of the RCEC, which would be located 1.5 miles south of the Hayward Executive Airport. The aviation safety issue is referred to on pg. 1-3 of the executive summary, and is discussed more fully beginning on pg. 4.10-1 of the traffic and transportation section, and beginning on pg. 4.5-1 of the land use section.

The RCEC would be a base-load, 600 megawatt, natural gas-fired power plant, with a nine-cell cooling tower (64 feet tall), and two 145-foot-tall heat recovery steam generator stacks. Energy Commission staff have determined that the thermal plumes from the cooling tower and heat recovery steam generator stacks will disturb airspace stability to more than 1,000 feet above ground level (agl). This disturbance could be a potential aviation safety hazard to aircraft using Hayward Executive Airport. Staff believes that the RCEC generated plumes, particularly from the cooling tower, would present a substantial hazard to aircraft operations at normal traffic pattern altitude (600-800 feet agl). Additionally, we believe the power plant would not conform to the Hayward Municipal Code Section 10-6.35 which prohibits any land

use that would be a hazard and endanger airport operations within the two mile wide airport approach zone area. Because of this, staff is not prepared to recommend project approval.

Mark McClardy (Western Pacific Region) and Joe Rodriguez/Andy Richards (San Francisco Airports District) have been asked to please review the traffic and transportation and land use sections of the SA and provide comments in writing as to whether they consider the proposed RCEC plumes an aviation safety hazard, and whether the project conforms to Hayward's Municipal Code. We would appreciate at least an initial response by July 13, 2007 so that the comments could be addressed in staff's supplemental testimony, which is scheduled for publication on July 18, 2007. The SA is also being sent to Caltrans Aeronautics, Alameda County Airport Land Use Commission, California Pilots Association, and the City of Hayward for review and comment. I've also provided a link to the RCEC page on the Energy Commission website that has all the relevant documents and notices.

In addition, staff would like to know the status of Safety Study Report DOT-FAA-AFS-420-06-1 entitled *Safety Risk Analysis of Aircraft Overflight of Industrial Exhaust Plumes*. This report was helpful when analyzing the potential impacts of plumes from the RCEC. In particular, there were a number of recommendations to further lower the risk associated with the overflight of vertical plumes. Has the report been approved by the FAA? If not, what is the time line or process for approval?

http://www.energy.ca.gov/sitingcases/russellcity_amendment/index.html

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>>> Jim Adams 7/3/2007 3:11 PM >>>
July 3, 2007

Gary Cathey
Department of Transportation
Aeronautics Program
1120 N Street
Sacramento, CA 942874

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Mr Cathey:

Please find attached three sections (executive summary, traffic and transportation and land use) of the Staff Assessment (SA) of the Petition for Amendment No. 1 for the Russell City Energy Center (RCEC). The traffic and transportation and land use sections contain detailed discussions about aviation safety and the operation of the RCEC, which would be located 1.5 miles south of the Hayward Executive Airport. The aviation safety issue is referred to on pg. 1-3 of the executive summary, and is discussed more fully beginning on pg. 4.10-1 of the traffic and transportation section, and beginning on pg. 4.5-1 of the land use section.

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>>> Jim Adams 7/3/2007 3:14 PM >>>
July 3, 2007

Carol Ford
California Pilots Association
360 Bowsprite Drive
Redwood Shores, CA 94065

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Ms. Ford:

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>>> Jim Adams 7/3/2007 2:50 PM >>>
July 3, 2007

Cindy Horvath
Alex Amoroso
Community Development Agency
Alameda County
224 W. Winton Ave., Room 111
Hayward, CA 94544

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Ms. Horvath and Mr. Amoroso:

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>>> Jim Adams 7/3/2007 3:06 PM >>>
July 3, 2007

Mark McClardy
Manager Airport Division
Western Pacific Region
Airports Division
P.O. Box 92007

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Mr. McClardy:

Please find attached three sections (executive summary, traffic and transportation and land use) of the Staff Assessment (SA) of the Petition for Amendment No. 1 for the Russell City Energy Center (RCEC). The traffic and transportation and land use sections contain detailed discussions about aviation safety and the operation of the RCEC, which would be located 1.5 miles south of the Hayward Executive Airport. The aviation safety issue is referred to on pg. 1-3 of the executive summary, and is discussed more fully beginning on pg. 4.10-1 of the traffic and transportation section, and beginning on pg. 4.5-1 of the land use section.

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>>> Jim Adams 7/3/2007 2:54 PM >>>
 Joe and Andy,

Here's the link.

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>>> Jim Adams 7/3/2007 2:43 PM >>>
 Andy Richards
 Joe Rodriguez
 Federal Aviation Administration
 Airports District Office
 831 Mitten Road, Rm. 210
 Burlingame, CA 94010

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
 From the Russell City Energy Center

Dear Messer's Richards and Rodriguez:

Please find attached three sections (executive summary, traffic and transportation and land use) of the Staff Assessment (SA) of the Petition for Amendment No. 1 for the Russell City Energy Center (RCEC). The traffic and transportation and land use sections contain detailed discussions about aviation safety and the operation of the RCEC, which would be located 1.5

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>>> Jim Adams 7/3/2007 4:30 PM >>>
July 3, 2007

David Rizk, AICP
Planning Manager
City of Hayward
777 B Street
Hayward, CA 94541

RE: Staff Assessment - Potential Impacts on Hayward Airport Operations
From the Russell City Energy Center

Dear Mr. Rizk:

Please find attached three sections (executive summary, traffic and transportation and land use) of the Staff Assessment (SA) of the Petition for Amendment No. 1 for the Russell City Energy Center (RCEC). The traffic and transportation and land use sections contain detailed discussions about aviation safety and the operation of the RCEC, which would be located 1.5 miles south of the Hayward Executive Airport. The aviation safety issue is referred to on pg. 1-3 of the executive summary, and is discussed more fully beginning on pg. 4.10-1 of the traffic and transportation section, and beginning on pg. 4.5-1 of the land use section.

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